BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Estimate for Construction of RCC Drain, Covering Slab and Improvements to Road at Blue Field Garden 1st and 2nd Cross in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

					Estimate Cost:			1990000.00	
Sl No.	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **No. 5/ Item No. 2.3/ PWD SR 2012-13**	Cum							
	Main Road		1	100.00	0.90	0.70	63.00		
	2nd Main		2	56.00	0.90	0.70	70.56		
	1st Cross		2	75.00	0.90	0.70	94.50		
	2nd Cross		2	125.00	0.90	0.70	157.50		
							385.56	135.00	**52051.00**
	Basic Rate	125.00							
	Area Weightage @ 8%	10.00							
	Total	**135.00**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2012-13**	Cum							
	Main Road		1	100.00	0.75	0.15	11.25		
	2nd Main		2	56.00	0.75	0.15	12.60		
	1st Cross		2	75.00	0.75	0.15	16.88		
	2nd Cross		2	125.00	0.75	0.15	28.13		
							68.85	3884.76	**267466.00**
	Basic Rate	3597.00							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	287.76							
	Total	**3884.76**							
3	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 17/ Item No. 4.34/ PWD SR 2012-13**	Sqm							
	Main Road		3	100.00		0.60	180.00		
	2nd Main		2 X 3	56.00		0.60	201.60		
	1st Cross		2 X 3	75.00		0.60	270.00		
	2nd Cross		2 X 3	125.00		0.60	450.00		
							1101.60	222.48	**245084.00**
	Basic Rate	206.00							
	Area Weightage @ 8%	16.48							
	Total	**222.48**							
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2012-13**	Cum							
	Bottom Concrete Main Road		1	100.00	0.60	0.10	6.00		
	2nd Main		2	56.00	0.60	0.10	6.72		
	1st Cross		2	75.00	0.60	0.10	9.00		
	2nd Cross		2	101.00	0.60	0.10	12.12		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Side Wall Main Road		2	100.00	0.10	0.60	12.00		
	2nd Main		2x2	56.00	0.10	0.60	13.44		
	1st Cross		2x2	75.00	0.10	0.60	18.00		
	2nd Cross		2x2	101.00	0.10	0.60	24.24		
							101.28	5239.08	**530614.00**
	Basic Rate	4851.00							
	Area Weightage @ 8%	388.08							
	Total	**5239.08**							
5	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.46/ PWD SR 2012-13**	Qtl							
	Consider 50 Kg / Cum		0.50	101.28			**50.64**	7323.48	**370861.00**
	Basic Rate	6781.00							
	Area Weightage @ 8%	542.48							
	Total	**7323.48**							
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, **No. 6/ Item No. 2.10/ PWD SR 2012-13**	Cum							
	Bottom Concrete Main Road		1	100.00	0.30	0.60	18.00		
	2nd Main		2	56.00	0.30	0.60	20.16		
	1st Cross		2	75.00	0.30	0.60	27.00		
	2nd Cross		2	125.00	0.30	0.60	45.00		
							110.16	90.72	**9994.00**
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	Load for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Qty. Vide Item No. (1-8)				**275.40**	72.71	**20023.00**
	Basic rate for haulage of materials as per item no.17.4 page 118) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.118	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 10 cms thick **Page No. 28 / Item No. 5.31.2 / PWD SR 2012-13**	Sqm							
	Bottom Concrete Main Road		1	100.00		0.60	60.00		
	2nd Main		2	56.00		0.60	67.20		
	1st Cross		2	75.00		0.60	90.00		
	2nd Cross		2	125.00		0.60	150.00		
							367.20	486.00	**178459.00**
	Basic Rate	450.00							
	Area Weightage @ 8%	36.00							
	Total	**486.00**							
9	KSRB 5-9: Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 27 / Item No. 5.22/ PWD SR 2012-13**	m							
			1360	2.10			**2856.00**	25.39	**72516.00**
	Basic Rate	23.51							
	Area Weightage @ 8%	1.88							
	Total	**25.39**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5-1.13 **Page No. 26 / Item No. 5.18/ PWD SR 2012-13** Main Road / 2nd Main	Sqm	1 2	100.00 56.00		0.60 0.60	60.00 67.20		
	1st Cross Road		2	75.00		0.60	90.00		
	2nd Cross Road		2	125.00		0.60	150.00		
							367.20	653.40	**239928.00**
	Basic Rate	605.00							
	Area Weightage @ 8%	48.40							
	Total	**653.40**							
11	Miscellaneous and unforeseen charges	LS							**3004.00**
								Total	**1990000.00**

(Rupees Ninteen Lakhs Ninety Thousand Only)

CERTIFICATE:

1. Certified that I have personally inspected the area and prepared the Estimate.
2. Certified that the above estimate is prepared as per PWD SR 2012-13.
3. Certified that the work proposed in this estimate is not including in any other scheme.
4. The provisions were made in this estimate are necessary and adequate.
5. This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P., Bangalore.

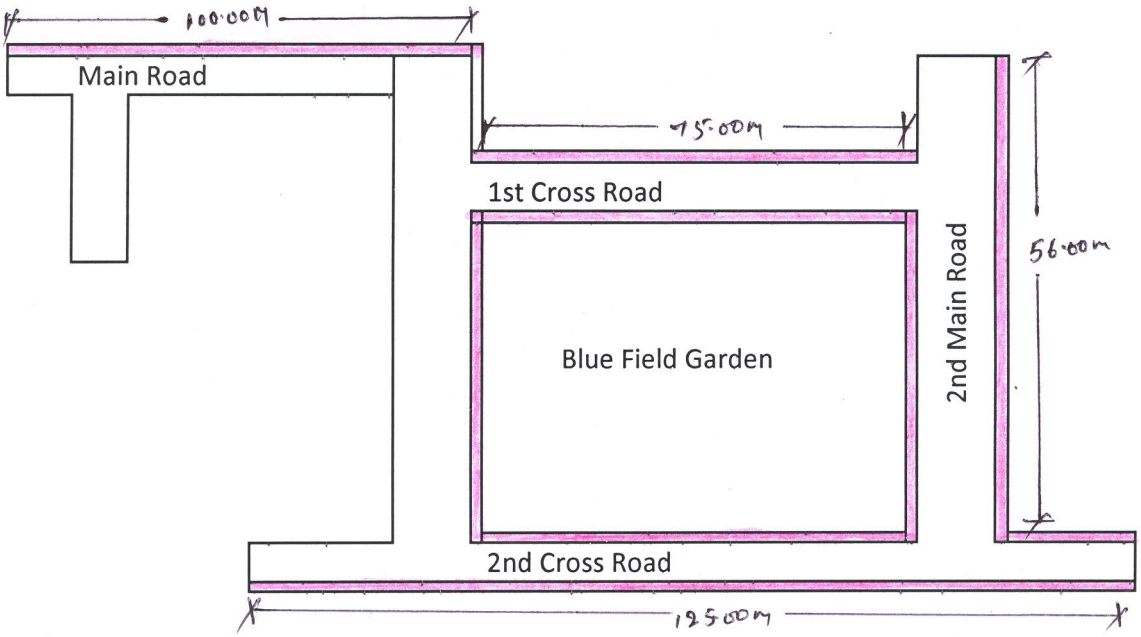
Executive Engineer 12/12/2012
Byatarayanapura Division.
B.B.M.P., Bangalore.

Technical Sanction for Rs. 19.90 lakh nineteen lakh ninety thousand only
under PWD 2012-13 p. 1721
registered as EE No: 364/1213 Subject to conditions contained enclosed memo.
No: 364/1213 Dt. 10-1-13
AE/JE EE (BTP Div.)

ADMINISTRATIVELY SANCTIONED FOR Rs.
Rupees nineteen lakh ninety thousand only
Under PWD-2012-13 P. 1721
Registered as EE ( ) No 39
Subject to conditions contained in enclosed memo EE ( ) No 735/91
Dt 7-1-13 Estimate A/Sanctioned
JC A/A 735/1213
Date 7-1-13 19.90 lakh

7/1/13
Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.

Construction of RCC Drain, Covering Slab and Improvements to Roads at Blue Field Garden 1st and 2nd Cross Roads in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.



RCC Drain Done

Jadhav
AE W-10